

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No: To Be Assigned
Applicant: Shaomin Samuel Mo et al.
Filed: Herewith
Title: METHOD AND APPARATUS FOR IMPROVING ERROR RATES IN MULTI-BAND ULTRA WIDEBAND COMMUNICATION SYSTEMS
TC/A.U.: To Be Assigned
Examiner: To Be Assigned
Docket No: MATI-238US

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

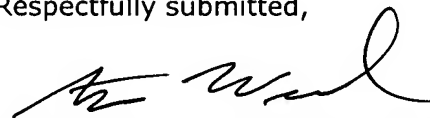
Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith. A copy of each of the non-U.S. listed references are also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,



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Stephen J. Weed, Reg. No. 45,202
Attorney(s) for Applicant(s)

SJW/tmb

Enclosures: PTO Form 1449
(4) References

Dated: January 28, 2004

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(610) 407-0700

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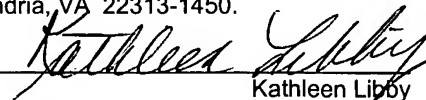
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Kathleen Libby

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Substitute for Form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	Complete if Known	
	Application Number	To Be Assigned
	Filing Date	Herewith
	First Named Inventor	Shaomin Samuel Mo et al.
	Art Unit	To Be Assigned
	Examiner Name	To Be Assigned
SHEET 2 of 2	Attorney Docket No.	MATI-238US

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	3.	MOE Z. WIN ET AL., Comparisons of Analog and Digital Impulse Radio for Wireless Multiple-Access Communications, IEEE International Conference on Communications, Montreal, Canada, June 1997, pgs. 91-95.	<input type="checkbox"/>
	4.	JEFF FOERSTER ET AL., Ultra-Wideband Technology for Short- or Medium-Range Wireless Communications, Intel Technology Journal Q2, 2001, pgs. 1-11.	<input type="checkbox"/>
	5.	SAMIR KALLEL, Analysis of a Type II Hybrid ARQ Scheme with Code Combining, IEEE Transactions on Communications, Vol. 38, No. 8, August 1990, pgs. 1133-1137.	<input type="checkbox"/>
	6.	SAMIR KALLEL, Throughout Performance of Memory ARQ Schemes, IEEE Transactions on Vehicular Technology, Vol. 48, No. 3, May 1999, pgs. 891-899.	<input type="checkbox"/>
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Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

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The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

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Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket No.	MATI-238US

SHEET 1 of 2

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)				
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²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶ Applicant is to place a check mark here if English language translation is attached.

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